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TITLE: Cupressuflavone, a new member of the biflavonyl group
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GI For diagram(s), see printed CA Issue.

AB Air-dried leaves of Cupressus torulosa (or of C. sempervirens) exhaustively extracted with hot Me2CO, the concentrate extracted with hot ligroine to remove waxes and chlorophyll, the residue refluxed in alc. and filtered, and the residual greenish-yellow solid extracted with hot Me2CO yielded yellow solid cupressuflavone (I), m. above 360° (MeOH-C5H5N), containing no MeO or C-Me groups; hexaacetate m. 251-3°; tetra-Me ether m. 259-61°; hexa-Me ether m. 295-7°; hexa-Et ether m. 267-9° (oxime m. 290-1°). Degradation of the hexa-Me ether with absolute alc. alkali or alkaline H2O2 gave p-MeOC6H4CO2H as the only recognizable product. The N.M.R. spectrum of the Me ether in CDCl3 was consistent with a sym. dimeric structure. Since the hexa-Me ether was found to be identical with 8,8''-biapigeninyl hexamethyl ether synthesized by Nakazawa (CA 59, 1574a) it was concluded that I is the previously unknown 8,8''-biapigeninyl.

IT 1065-78-7P, Cupressuflavone, hexamethyl ether, dioxime
RL: PREP (Preparation)
(preparation of)

RN 1065-78-7 CAPLUS

CN 8,8''-Biflavone, 4',4''',5,5'',7,7''-hexamethoxy-, dioxime (7CI, 8CI) (CA INDEX NAME)